

DESCRIPTIONS OF NEW SPECIES OF MARINE MOLLUSCA
COLLECTED BY THE LATE OTTO KOCH AT THE ISLAND
OF CEBÚ, PHILIPPINES.

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Read 11th May, 1900.

PLATE XI.

1. OCINEBRA KOCHIANA, n.sp. Pl XI, Fig. 1.

Testa ovato-fusiformis, pallide fulvo-fusca; spira acuminato-conica; anfractus 7, angulati, longitudinaliter angulatim plicati (plicis 7-8), spiraliter dense squamo-lirati, ad angulum carinati, supra angulum leviter concavi, anfractus ultimus spiram superans, oblongus, leviter convexus, quadricarinatus, undique dense squamo-liratus, basim versus constrictus, breviter contorto-rostratus, mediocriter umbilicatus; apertura ovata, alba, utrinque canaliculata; lamina columellaris tenuis, polita; labrum intus acute plicatum, extus frondosum. Long. 33, diam. 18 mm.

This shell has much the aspect of a *Cuma*, somewhat resembling *C. sacellum* (Lamk.), but the operculum is that of an *Ocinebra*, in which genus I therefore place the species. It has four squamose keels on the body-whorl, the scales on the two anterior ones being rather peculiarly produced near the aperture. In front of the last keel the whorl is abruptly constricted between that and the short curved rostrum. The aperture has, besides the anterior reflexed canal, a distinct posterior one near the juncture of the whorl.

2. MITRA (CALLITHEA) ALABASTER, n.sp. Pl. XI, Fig. 2.

Testa parva, ovato-fusiformis, alba; spira breviuscula, conica; anfractus 6, primi duo læves, sequentes superne vix concavo-declives, in medio angulati, infra angulum spiraliter sulcati, supra (juxta suturam) nodulis parvis ornati, costis longitudinalibus crassis rectiusculis circa 12 instructi, anfr. ultimus spiram paulo superans, antice leviter acuminatus, postice obtuse angulatus; apertura mediocriter angusta, longit. totius $\frac{1}{2}$ æquans; columella quadruplicata. Long. 5, diam. 2.5 mm.

A small white shell, with a rather short spire for a *Mitra*, longitudinally lirate, slightly nodulous, and transversely grooved; whorls obtusely angled above, with a slightly nodulous ridge against the suture.

3. MARGINELLA RINGICULA, n.sp. Pl. XI, Fig. 3.

Testa ovato-fusiformis, alba; spira producta; apertura angusta, longit. totius $\frac{1}{2}$ æquans; columella quadruplicata, plicis crassiusculis,

obliquis; labrum percrassum, postice sinuatum, intus tuberculatum, tuberculo postico valide producto. Long. 3, diam. 1.2 mm.

A small white shell, with a produced spire. The columella has four prominent folds, and the outer lip is thick, and armed on the inner margin with several tooth-like projections, the hinder one being the most prominent, between this and the juncture with the body-whorl the lip is narrow and depressed, forming a shallow, rounded sinus.

4. NATICA LABRO-TINCTA, n.sp. Pl. XI, Fig. 4.

Testa subtecte umbilicata, oblique ovata, solidiuscula, albo-nitens, ad aperturam vivide violacea, oblique subtilissime striata, striis spiralibus minutissimis fere obsoletis cancellata; spira brevis, obtusa, ad apicem rufo-violacea; anfractus $4\frac{1}{2}$, primi convexi, vix declives, sutura distincta sejuncti; apertura semilunaris; labrum crassiusculum, violaceum, callo umbilicali effuso. Operculum album nitens, læve, leviter concavo-depressum, prope marginem anguste bi-liratum. Long. 7.5, diam. 7.5 mm.

Chiefly characterized by the beautiful violet colouring of the lip, columellar callus, and first whorls of the spire. It is distinguished from *N. violacea*, Sowerby, by its much smaller size, more oblong form, and the entire absence of the chestnut spots, or tessellated colouring, characteristic of that species.

5. MUCRONALIA PHILIPPINARUM, n.sp. Pl. XI, Fig. 5.

Testa oblongo-ovata, postice acuminata, antice rotundata, subrimata, alba, polita; spira acute conica, ad apicem mucronata; anfractus 9-10, convexi, supra obscurissime angulati, sutura impressa sejuncti, ultimus $\frac{1}{2}$ altitudinis testæ æquans; apertura brevicula, subobliqua, antice latiuscula; peristoma simplex, acutum; columella arcuata, leviter incrassata. Long. 9.5, diam. 5 mm.

A shining white shell, of a rather broad form for the genus. It has a slight depression next the suture, bordered by an obtuse angle, otherwise the whorls are smoothly convex. From most of the specimens collected the apical whorls are entirely gone, but the type appears to have all except the first, and shows its 'mucronate' character.

6. MUCRONALIA CYLINDRICA, n.sp. Pl. XI, Fig. 6.

Testa cylindracea, vix rimata, pellucida; spira elata, ad apicem mucronata; anfractus 10, leviter convexi, ultimus oblongus, fere planus; apertura parviuscula, antice latiuscula, postice angusta; labrum tenue, flexuosum, arcuatum; columella oblique incurvata. Long. 7, diam. 2 mm.

A shell of a peculiarly cylindrical form, smooth, pellucid; the lip is thin, arched, and flexuous.

7. GLYPHOSTOMA RUGILABRUM, n.sp. Pl. XI, Fig. 7.

Testa elongato-turrita, sordide albida, solidiuscula; spira perelongata, acuta; anfractus $10\frac{1}{2}$, supra medium obtuse angulati, costis

10 *crassiusculis* leviter nodulosis instructi, spiraliter dense lirati; anfractus ultimus brevis, basim versus constrictus, obtuse angulatus, brevissime rostratus; apertura parva, intus lirata; labrum externum percrassum, ad marginem acutum, crenulatum, sinu postico profundo, mediocriter lato; columella rectiuscula, rugosa. Long. 10, diam. 3 mm.

This shell has a very long spire, and a short mouth; the outer lip is thickened by a broad varix.

8. *LEPTOTHYRA VIRIDULA*, n.sp. Pl. XI, Fig. 8.

Testa minuta, subglobosa, vix umbilicata, crassa, viridula, maculis minutis rufo-fuscis juxta suturam ornata; spira brevis, obtusa; anfractus 4, convexi, primi læves, cæteri spiraliter anguste lirati, sutura linearis sejuncti, ultimus rotundatus, spiram multo superans; apertura circularis; peristoma crassum, læve. Alt. 1.5, lat. 2 mm.

A small pale-green shell, ornamented by a row of very minute reddish-brown spots against the suture.

9. *CYCLOSTREMA CRISTATA*, n.sp. Pl. XI, Fig. 9.

Testa subgloboso-turbinata, alba, umbilicata; spira brevis, gradata; anfractus $4\frac{1}{2}$, primus lævis, pellucidus, cæteri pulcherrime cancellati, superne leviter concavo-depressi, ubique carinulis spiralibus acute crenulatis, et liris numerosis obliquis instructi, penultimus bicarinulatus, ultimus superne angulatus, deinde rotundatus, carinulis circ. 7; umbilicus profundus, latiusculus, intus plicatus; apertura circularis; peristoma intus læve, extus crenulatum. Alt 3, lat. 4 mm.

A little white shell of a somewhat globose form, crisply cancellated with prominent spiral keel-ridges, which are almost spinously tuberculated at the points where they are crossed by the numerous radiating liræ.

10. *CYCLOSTREMA DISPAR*, n.sp. Pl. XI, Fig. 10.

Testa spiraliter discoidea, depressa, latissime umbilicata, alba; spira planulata, fere lævis; anfractus 5, duo apicales convexi, cæteri planato-depressi, angulati, ad angulum carina acutiuscula marginati, ultimus brevissimus, latus, infra angulum costis numerosis verticalibus decoratus, ad basim convexusculus, costis spiralibus 4 elevatis angustis instructus, interstitiis transversim irregulariter sulcatis; apertura rotundata, intus lævis, extus leviter producta; peristoma crassiusculum, ad basim fimbriatum. Alt. .75, lat. 2 mm.

A very remarkable little shell of a depressed form, and widely umbilicated. The top is flat, smooth, angular, and keeled at the margin; sides decorated with numerous vertical ribs; base with four very prominent keels, the interstices being crossed by irregular, curiously waved sulci.

11. *VITRINELLA SIMPLEX*, n.sp. Pl. XI, Fig. 11.

Testa minuta, subdepressa, rotundata, lævis, albida, sublate perspective umbilicata; spira vix elata; anfractus $4\frac{1}{2}$, leviter convexi,

